SKA RT 335 RATINGS AND SPECIFICATIONS

TIME RATING	Continuous	AMBIENT TEMPERATURE	0 to 40 °C
INSULATION CLASS	F	AMBIENT HUMIDITY	20 to 80% RH (non condensing)
ENCLOSURE	Totally enclosed, self-cooled	POLES	42
ENCLOSURE RATING	IP 42 (standard)	THERMAL PROTECTION	PT 1000

		SKA RT 335.30 51	SKA RT 335.30 65	SKA RT 335.60 65	SKA RT 335.90 65	SKA RT 335.120 65	SKA RT 335.150 54	SKA RT 335.150 65
Stall torque	Nm	100	100	164	220	270	320	320
Peak torque	Nm	290	290	535	800	975	1200	1200
Rated torque	Nm	87	87	136	167	206	232	232
Rated voltage	Vac	400	400	400	400	400	400	400
Stall current	Arms	10,61	5,26	8,62	11,56	14,19	6,14	16,82
Peak current	Arms	36,70	18,19	33,04	50,06	57,82	25,56	70
Rated current	Arms	9,50	4,71	7,36	9,04	11,15	4,59	12,56
Rated speed	rpm	150	150	150	150	150	110	150
Maximum speed	rpm	200	200	200	200	200	127	200
Torque constant ± 5%	Nm/Arms	9,43	19,02	19,02	19,02	19,02	52,11	19,02
Voltage constant ± 5%	Vrms/krpm	570	1150	1150	1150	1150	3150	1150
Phase/phase resistance ±5%	Ohm	1,60	6,50	2,96	2,07	1,44	8,10	1,08
Phase/phase inductance	mH	10,66	43,39	27,16	19,71	15,77	90,03	12
Electrical time constant	msec	6,7	6,7	9,2	9,5	11,0	11,1	11,1
Thermal resistance	°C/W	0,25	0,25	0,21	0,16	0,16	0,15	0,15
Mechanical time constant	ms	7,68	7,68	4,45	3,78	3,10	2,67	2,67
Max. theoretical acceleration	rad/s^2	1019	1019	1474	1814	1878	2008	2008
Rotor inertia	Kg cm^2	2847	2847	3629	4411	5193	5975	5975
Motor height H	mm	138	138	168	198	228	258	258
Motor weight	Kg	73,1	73,1	94,1	115	136	157	157
Radial load	N(@30rpm)	6900	6900	6900	6900	6900	6900	6900
Axial load	N(@60rpm)	6300	6300	6300	6300	6300	6300	6300
Tilt moment	Nm(@15rpm)	600	600	600	600	600	600	600

Values and torque/speed specifications here detailed are obtained with the SKA Rotary Table coupled to FLEXI PRO drive, with a coil temperature of 100°C. All others data are with a coil temperature of 25°C. Output continuous rating with 840x840x30mm heat sink flange coupling and with top flange not sealed. Tilt moment, radial and axial load must be understood as separately applied on the motors. For different loads configuration, please, contact us.